

## ECE 540 Advanced Networking

### SYLLABUS for FALL 2020

**Lectures:** Tuesdays and Thursdays from 2PM to 3:15PM (ECE room 210 and synchronously online)

**Instructor:** Michael Devetsikiotis, Professor and Chair, ECE Department, [mdevets@unm.edu](mailto:mdevets@unm.edu)

**Office Hours:** In ECE 125 and online Tuesdays 10AM-12noon; Thursdays 330 - 5PM. And by appointment.

**Modified UNM Calendar:** <https://unmevents.unm.edu/site/academic/>

**Please note:** Due to COVID distancing requirements, only a limited number of students can be present physically during the in-person lectures. The instructor will be sending out a schedule for rotating physical attendance in class. Also please stand by for other updates as the situation remains fluid.

#### Syllabus:

- Overview – Refresher (Weeks 1-2).
- Local Area Networks and Layer 2 Refresher (Weeks 3-4-5).
- Wireless Networks (Weeks 5-6-7-8).
- *Wednesday October 7 is break day* (does not affect this class).
- In-class review on October 13. In-class (or otherwise proctored) exam: **October 15, 2020.**
- Network Security (Weeks 10-11).
- *Tuesday November 3 is break day (in week 12).*
- Multimedia Networking (Weeks 12-13-14).
- *Thanksgiving is on November 26 (in week 15).*
- After Thanksgiving only REMOTE (no in-class) Online Special Topics and student presentations, e.g., Network Virtualization, Software Defined Networks, QoS (Weeks 15-16).
- Final essays/reports due on **December 3, 2020. NO FINAL EXAM.**

**Grading:** In-class exam 35%; Research Paper/Essay 35%; Homework 30%; Optional labs and projects up to 20%.

**Textbook:** *Computer Networking* 7<sup>th</sup> Edition (J. Kurose and K. Ross) – Not the new 8<sup>th</sup> Edition!

<https://www.pearson.com/us/higher-education/program/Kurose-Computer-Networking-A-Top-Down-Approach-7th-Edition/PGM1101673.html>

Supplemental material from: *Foundations of Modern Networking* (W. Stallings)

<https://www.oreilly.com/library/view/foundations-of-modern/9780134175478/>

Academic Integrity: Each student is expected to maintain the highest standards of honesty and integrity in academic and professional matters. The University reserves the right to take disciplinary action, up to and including dismissal, against any student who is found guilty of academic dishonesty or otherwise fails to meet the standards. Any student judged to have engaged in academic dishonesty in course work may receive a reduced or failing grade for the work in question and/or for the course. Academic dishonesty includes, but is not limited to, dishonesty in quizzes, tests, or assignments; claiming credit for work not done or done by others; hindering the academic work of other students; misrepresenting academic or professional qualifications within or without the University; and nondisclosure or misrepresentation in filling out applications or other University records

Accommodations: In accordance with University Policy 2310 and the Americans with Disabilities Act (ADA), academic accommodations may be made for any student who notifies the instructor of the need for

*an accommodation. It is imperative that you take the initiative to bring such needs to the instructor's attention, as he/she are not legally permitted to inquire. Students who may require assistance in emergency evacuations should contact the instructor as to the most appropriate procedures to follow. Contact Accessibility Resource Center at 277-3506 for additional information.*

A Note About Sexual Violence and Sexual Misconduct: As a UNM faculty member, I am required to inform the Title IX Coordinator at the Office of Equal Opportunity (oeo.unm.edu) of any report I receive of gender discrimination which includes sexual harassment, sexual misconduct, and/or sexual violence. You can read the full campus policy regarding sexual misconduct at [https://policy.unm.edu/university-](https://policy.unm.edu/university-policies/2000/2740.html)

[policies/2000/2740.html](https://policy.unm.edu/university-policies/2000/2740.html). If you have experienced sexual violence or sexual misconduct, please ask a faculty or staff member for help or contact the [LoboRESPECT Advocacy Center](#).